

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018414

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61G5/02 B62K5/04 B62K21/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61G B62K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 028 064 A (JOHNSON JOHN W) 2 July 1991 (1991-07-02)	1, 4-6, 14-17, 23, 29-36
Y	the whole document	3, 7, 9, 10, 18-21, 27, 28, 45
X	GB 110 639 A (HOUGH JAMES FRANCIS) 1 November 1917 (1917-11-01)	1, 2, 11-13, 22, 32, 37, 39-44 45-48
Y	the whole document	
X	WO 98/21081 A (RAKO PROD LTD ; RADMALL PAUL (GB)) 22 May 1998 (1998-05-22) claims; figures	1, 2
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

26 October 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 48 353 C (HEINS) 8 March 1889 (1889-03-08) the whole document -----	1,52
Y	FR 2 657 318 A (LEPRETRE JOEL) 26 July 1991 (1991-07-26) claims; figures -----	3
Y	US 5 297 810 A (LUKYANOV SERGEI N) 29 March 1994 (1994-03-29) claims; figures -----	7,18-21, 47,48 20
Y	US 4 572 535 A (LOFGREN MICHAEL S ET AL) 25 February 1986 (1986-02-25) column 3, line 6 - line 26; figures -----	9,10,46
Y	DE 87 11 302 U (TRASKA) 19 May 1988 (1988-05-19) page 11, line 19 - page 12, line 7; figures -----	20,27,28
A		24-26

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018414

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5028064	A	02-07-1991	NONE			
GB 110639	A	01-11-1917	NONE			
WO 9821081	A	22-05-1998	AU WO GB	4875597 A 9821081 A1 2319235 A	03-06-1998 22-05-1998 20-05-1998	
DE 48353	C		NONE			
FR 2657318	A	26-07-1991	FR	2657318 A1	26-07-1991	
US 5297810	A	29-03-1994	SU WO DE DE EP	1738282 A1 9210156 A1 69020363 D1 69020363 T2 0513355 A1	07-06-1992 25-06-1992 27-07-1995 02-11-1995 19-11-1992	
US 4572535	A	25-02-1986	AU CA EP WO	5098485 A 1260035 A1 0202301 A1 8602897 A1	03-06-1986 26-09-1989 26-11-1986 22-05-1986	
DE 8711302	U	19-05-1988	DE	8711302 U1	19-05-1988	